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AFIS SECTION
KENTUCKY STATE POLICE
1250 LOUISVILLE ROAD
FRANKFORT, KY 40601

AFIS BYTES

The Newsletter of Fingerprint Technologies

Madison County Detention Center: A Fingerprinting Success

Legislation requiring the fingerprinting of all individuals arrested or detained in the state of Kentucky was first perceived as just another chore by many jails across the state. The outcome however has taken crime fighting to a new level. Jails and detention centers play a pivotal role in populating the states Criminal History Database. A recent event in Madison County serves as an indicator of the importance of fingerprinting procedures and the technology behind it.

On Wednesday January the 3rd police in Madison County responded to a call at the Econo Lodge in Richmond in which drug activity was suspected. Around 1:40 AM they found a man with a plastic bag containing cocaine. Police could not get the criminal to give his identity at the time of arrest and were forced to lodge him in the Madison County Detention Center as John Doe.

Often time criminals think that giving false information or none at all will keep police agencies from acquiring their name. Furthermore, many criminals believe giving false information will allow them to "fool" AFIS, the state's Automated Fingerprint Identification System. However, no matter the name, date of birth, or other demographic information the criminal gives at the time of arrest, AFIS will make a positive identification through fingerprint verification if a previous record exists. This is why many arrest records will have several aliases or different dates of birth, but the same prints.

In the early hours of the 3rd of January Officer 112, Mike Clark at Madison County Detention Center, fingerprinted the man arrested for possession of cocaine. This process resulted in a positive identification by the AFIS system returning information to the jail that allowed them to get his name and previous criminal arrests. It was discovered that the man, Ronnell Meyers, 31, was wanted in West Virginia, in connection with the death of David Simpson, 42. Ronnell Meyers had been on the run for over a year but due to the hard work and dedication of the detention facility personnel and the technology provided them, Meyers will be brought to justice and this can be deemed a true fingerprinting success.

New LiveScan Installation

The deployment of ten new LiveScans across the state of Kentucky is in the process of completion. Funding provided by a grant had provisions this past year that allowed the Kentucky State Police to start the long awaited process of upgrading the 120 LiveScans across the state. The new LiveScan provides a more user-friendly environment allowing the operator to obtain high quality rolled fingerprints with far greater ease than the previous LSS 2000 model. The cost savings seen with the implementation of these new LiveScans will prove well worth the cost of the upgrade.



The New Motorola Ruggedized Livescan

LIVESCAN FEATURES

This section of the Newsletter identifies the features of the LSS 2000 LiveScan in your facility.

OPERATIONAL SETTINGS

Each and every LiveScan user can customize the scanning process based on personal preferences. Once these options are set, they remain in effect each time the user logs in. To change the settings, access the Operational Settings screen, shown above by selecting the Option selection button on the Fingerprint Entry screen.

Auto Accept Toggle Button

Auto Accept is enabled when the toggle button appears darker, and is disabled when the toggle button appears lighter. When a finger is scanned and the image is rated "Good," Auto Accept automatically sets the system to scan the next finger. If the image quality is "Poor" or "Fair," the system waits for the user to select either Rescan or Accept.

If both Auto Accept and Manual Scanning are enabled and a scanned image is rated "Good," scanning of the next finger begins automatically, shortly after the "Image quality is good..." message appears onscreen.

If both Auto Accept and Auto Tracking are enabled and a scanned image is rated "Good," scanning of the next finger begins when a finger is placed on the fingerprint scanning glass. If the system does not detect a finger on the glass within a predetermined number of seconds, it defaults to Manual Scanning mode, and shortly thereafter begins scanning the next finger.

UPCOMING TRAINING DATES

April 3rd, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room
Livescan Training

To schedule your personnel for training on
this date call (502) 227-8723 or email us at
livescan@ky.gov.

April 19th, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room
Livescan Training

Livescan Training

To schedule your personnel for training on
this date call (502) 227-8723 or email us at
livescan@ky.gov.

May 1st, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room
Livescan Training

To schedule your personnel for training on
this date call (502) 227-8723 or email us at
livescan@ky.gov.

May 17th, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room
Livescan Training

To schedule your personnel for training on
this date call (502) 227-8723 or email us at
livescan@ky.gov.

June 5th, 9:00 A.M. and 1:00 P.M.
Criminal ID and Records Building,
Conference Room
Livescan Training

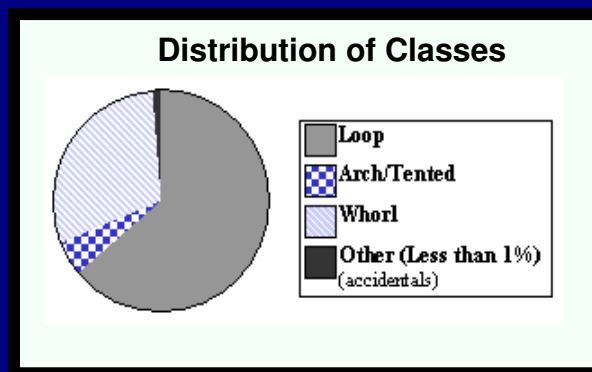
To schedule your personnel for training on
this date call (502) 227-8723 or email us at
livescan@ky.gov.

**These dates are available
first come, first serve, and
will not exceed 15 per session.**

Did you know...?

... Loops are the Most Common Fingerprint Pattern!

There are three major types of fingerprint patterns. They are the arch, loop, and whorl. Of those classes the loop accounts for more than 50% of prints. The whorl comes in second with a little more than 25% of prints, and the arch only accounting for around 5% of prints. Accidentals, such as accidental whorls, are less than 1% of prints. Are you in the majority?



Questions and Answers

Q: In the mailbox what does a "HIT" message mean?

A: A Hit message appears when the individual being booked or processed has a previous record. The lights out message indicates the AFIS system has "tentatively" concluded that an identification of the subject to the previous State Identification Number (SID) has been established. All lights out identifications are submitted for human verification. Should erroneous lights out identification be discovered, an Exception mail message is generated.

Q: Why do the on screen fingerprint images sometimes appear too light or too dark?

A: If the images appear very dark the fingers are too moist. Allow a few seconds to air dry then try again. If the images are too light, remoisten the finger on the wipe and scan the finger again. If neither of these suggestions appear to correct the problem please call the Kentucky State Police Held Desk so that your LiveScan's Fingerprint Acquisition Sensor can be recalibrated.

AFIS STATS

Tenprint Records

Counts Are Per Quarter

October – December

LiveScan Bookings	52,218
Card Scans Submitted	9,236
Searches (LiveScans & Cards)	61,454
Tenprint Data Base Size	795,182

Latent Records

Counts Are Per Quarter

October - December

Latent Identifications	87
Unsolved Latent Data Base Size	22,542

Year Ending Totals for 2006

LiveScan Bookings	183,807
Card Scans Submitted	31,125
Searches (LiveScans & Cards)	214,932
Tenprint Data Base Size	795,182

Latent Identifications	576
Unsolved Latent Data Base Size	22,542

Please submit all questions,
stories, comments, and
suggestions to:

Kentucky State Police
AFIS Section
Attn: Hollie Freeman
1250 Louisville Road
Frankfort, Kentucky 40601

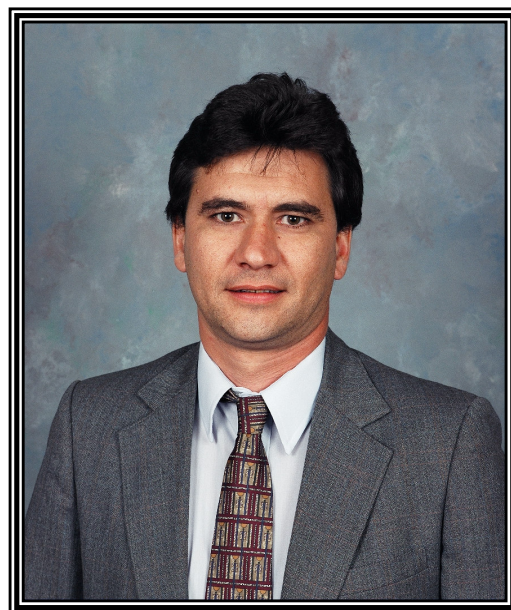
Livescan@ky.gov

Profiling AFIS

*Terry Lohrey
Systems Consultant IT*

For many, Terry Lohrey is no stranger. His employment with the State Police began in 1991 as a Latent Fingerprint Analyst. His previous 9 years of service with California's, Orange County Sheriff's Office, brought along distinguished skills in the forensic science field. The ability to develop latent prints and perform tenprint comparison was veiled by other crime scene investigative skills such as toolmark collection, shoeprint and tire impression collection and comparison, as well as, crime scene photography.

After working for 10 years as a Latent Analyst, Terry moved into System Administration. His knowledge



of computer systems allowed him to help pave the way for the integration and development of the Kentucky AFIS system. He has played a pivotal role from the very beginnings, around 2001, of the automated fingerprint process. He continues on a daily basis to help manage all AFIS components across the state, as well as, training and troubleshooting.

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Latent Reverse Case Identifications

For the month of **January 2007** the following **23** latent reverse search identifications were made. If your agency is listed then AFIS made a positive identification with an offender you booked, as they were associated with a previous unsolved crime.

Congratulations to those listed below, without them and all detention facilities efforts these identifications would not have been possible.

Homicide	1
Robbery	5
Burglary	6
Theft	6
Misc	5

Campbell Regional Juvenile
Fayette County Detention Center
Lincoln County Jail
Greenup County Detention Center
Pee Wee Valley Institute for Women
Rhoderer Correctional Complex
McCracken County Regional Jail
Hardin County Detention Center
Jefferson County Detention Center
Fayette County Detention Center